

AMENDMENTS TO THE CLAIMS

1-53. (Cancelled)

54. (Currently amended) A method of detecting cancer, comprising:
measuring the presence of oncogenic activity in a cell or cells of a patient,
comprising:

providing labeled substrate molecules for ~~an~~ at least one oncoprotein
~~containing a label~~, the labeled substrate molecules corresponding to chemical reactions
whose activity is to be measured;

~~disposing~~ providing for the presence of said substrate molecules within
said cell or cells;

allowing said substrate molecules within said cell or cells to take part in
the chemical reaction to produce altered substrate molecules;

liberating said substrate molecules and said altered substrate molecules
from ~~the single~~ said cell or cells;

detecting the label to distinguishably identify the substrate molecules
and/or the altered substrate molecules from said cell or cells; and

determining the presence of said chemical reaction from the presence of
~~modified~~ altered substrate.

55. (Previously presented) The method of claim 54, wherein the cancer is
chronic myelogenous leukemia.

56. (Currently amended) The method of claim 54 further comprising
~~quantifying~~ quantifying the amounts of detected altered substrate molecules and/or
detected unaltered substrate molecules.

57. (Previously presented) The method of claim 56, wherein the cancer is
chronic myelogenous leukemia.

58. (Currently amended) A method of testing a compound for anticancer
activity, comprising:

exposing a cancerous cell or cells to the compound; and
measuring the presence of oncogenic activity in the cell or cells
comprising:
providing labeled substrate molecules for ~~an~~ at least one oncoprotein
~~containing a label~~, the labeled substrate molecules corresponding to chemical reactions
whose activity is to be measured;
~~disposing~~ providing for the presence of said substrate molecules within
said cell or cells;
allowing said substrate molecules within said cell or cells to take part in
the chemical reaction to produce altered substrate molecules;
liberating said substrate molecules and said altered substrate molecules
from ~~the single~~ said cell or cells;
detecting the label to distinguishable identify the substrate molecules
and/or the altered substrate molecules from said cell or cells; and
determining the presence of said chemical reaction from the presence of
~~modified~~ altered substrate.

59. (Previously presented) The method of claim 58, wherein the cancerous cell or cells are chronic myelogenous leukemia cells.

60. (Previously presented) A method of testing a compound for anticancer activity, comprising:
exposing a cancerous cell or cells to the compound; and
measuring and quantifying the presence of oncogenic activity in the cell or cells by the method of claim 58.

61. (Previously presented) The method of claim 60, wherein the cancerous cell or cells are chronic myelogenous leukemia cells.

62. (New) The method of claim 54, wherein said intracellular chemical reaction in said cell is enzyme catalysis by a kinase.

63. (New) The method of claim 58, wherein said intracellular chemical reaction in said cell is enzyme catalysis by a kinase.